

## APPENDIX A



### URBAN FOREST GRANT PROGRAM

#### PROJECT PROPOSAL APPLICATION FORM\*

**PROJECT TITLE:** Irrigation System for Longhorn International Shores  
**BUDGET CATEGORY:** (see page 3) Miscellaneous along Lady Bird Lake

Does the project meet the required basic criteria:

Within the Austin city limits..... YES or NO  
On public property or Civic areas as defined in 25-2-6(A) within the Land Development Code, or within 15 feet of these areas..... YES or NO  
For public benefit..... YES or NO  
Adhere to the Land Development Code criteria..... YES or NO

Will the project occur without UFGP award..... YES or NO or UNSURE

#### INTRODUCTION AND OBJECTIVES

ATTACHMENT A  
(description not to exceed one page)

#### APPROACH AND METHODS

ATTACHMENT B  
(description not to exceed two pages)

#### BUDGET

ATTACHMENT C  
(description not to exceed one page)

#### PERSONNEL QUALIFICATIONS

ATTACHMENT D

**PRIMARY CONTACT INFORMATION**  
(name, phone number, email address, and mailing address)

ATTACHMENT E

\* Applicants are to submit three copies (including attachments) to Austin Community Foundation (See CONTACTS section for addresses).

## Irrigation System for Longhorn and International Shores Along Lady Bird Lake

### **Introduction and Objectives**

The Urban Forestry Program of the Austin Parks and Recreation Department is planning an Arbor Day event for late October 2010; the tentative date is Saturday, October 23<sup>rd</sup>. The event will be held at Longhorn and International Shores at the east end of Lady Bird Lake. Because The Trail Foundation is committed to preserving and enhancing the Trail around Lady Bird Lake, the Urban Forestry Program has invited the Foundation to partner with them for the Arbor Day festivities. The Trail Foundation will provide 200 trees to plant along Longhorn and International Shores and provide 100 volunteers for the project.

In order for the 200 trees to survive and thrive, an irrigation system needs to be installed at Longhorn and International Shores.

Objectives of the irrigation system include:

- Ensuring the survival of 200 new trees that will be planted along Longhorn and International Shores
- Continued health and maintenance of landscaping along Longhorn and International Shores
- Ultimately, the system will be vital to adding beauty, shade and species diversity to the area

The irrigation system falls in the Miscellaneous expenditure category of the Urban Forest Grant Program. We understand the maximum amount awarded for that category is \$10,000; we anticipate the irrigation system budget to be close to \$30,000 and plan to address the Urban Forestry Board for a recommendation.

### Approach and Methods

The Urban Forestry Program and The Trail Foundation are in the process of selecting the 200 trees to be planted. Currently, the following species are being planned for the project:

- **Small trees:** Yaupon Holly (*Ilex vomitoria*), Texas Mountain Laurel (*Sophora secundiflora*), Rusty Blackhaw (*Viburnum rufidulum*), Texas Redbud (*Cercis Canadensis* var. *texensis*) and Mexican Buckeye (*Unghadia speciosa*)
- **Medium trees:** Mexican White Oak (*Quercus polymorpha*), Lacey Oak (*Quercus glaucoides*) and Chinquapin Oak (*Quercus muchlenbergii*)
- **Large trees:** Cedar Elm (*Ulmus crassifolia*), Pecan (*Carya illinoensis*) and Black Walnut (*Juglans nigra*)

The trees will be planted on Saturday, October 23<sup>rd</sup> by community volunteers who will be under the direction and supervision of personnel from the Urban Forestry Program of the Austin Parks and Recreation Department and The Trail Foundation.

Cost estimates from local contractors have been requested with a deadline of 2pm on Friday, September 10th.

Timeline for irrigation system installation at Longhorn and International Shores:

Late August: Request for cost estimate is submitted to local contractors.

Early September: Water meters are installed, if necessary and contract to install irrigation system is offered to a local vendor.

September – Mid-October: Contractor installs main lines for irrigation system.

Mid-October: Longhorn and International Shores are prepared for planting by Urban Forestry Program.

Late October: Saturday, October 23<sup>rd</sup> all 200 trees are planted and mulched by volunteers and project managers.

Late October: Contractor installs small lines and bubblers a week after trees have been planted.

**Budget**

Irrigation estimate from ValleyCrest Landscape Developers: \$33,200\*

Installation: \$25,800

1 year maintenance: \$3,700

2 year maintenance: \$7,400

Irrigation estimate from Utz Environmental Services: \$44,840.64

Installation: \$33,350.64

Sleeve sidewalk: \$3,090

2 year maintenance: \$8,400

Irrigation estimate from Clean Scapes: \$26,710.97\*

Installation: \$22,510.97

1 year maintenance: \$2,100

2 year maintenance: \$4,200

\*We are requesting installation costs plus two years of maintenance to insure survival of the trees.

# LANDSCAPE PROPOSAL

Project:

**Longhorn Shores Irrigation**

Austin, TX

Presented to:

The Trail Foundation

By: ValleyCrest Landscape Development

Ben Deceuster  
Business Developer



**ValleyCrest**

9/10/2010

Susan Rankin  
The Trail Foundation

RE: Request for Bid for Longhorn Shores Irrigation

Susan:

ValleyCrest Landscape Development (VCLD) is pleased to submit our proposal for based on:

**Plans:**

- Arbor Day Planting Irrigation Draft #1 & #2

**Specification sections:**

- None received

**Addenda:**

- None received

**Prepared by:**

- PARD

**The following scope of work is included in this proposal:**

- Irrigation

**Please note these exclusions and qualifications as part of our proposed bid:**

- Cutting, patching, boring, jacking or jetting under concrete or asphalt paving is excluded.
- Price includes one bubbler per tree.
- Excludes irrigation design and as builts.
- Maintenance only available if we perform the installation.
- Tree locations to be marked by others prior to installation of irrigation system.
- Electrical supply (120 Volt) to the locations of the automatic sprinkler controllers is to be done by others.
- This proposal includes normal trade permits for this scope of work. All other permit fees are excluded.
- All work to be performed to be performed during regular working hours, and during one continuous move-in.
- Traffic and pedestrian control measures are to be done by others.
- Assumes a minimum (1 1/2") size water meter to be provided. All costs of water during the construction period and throughout the post installation maintenance period are excluded and to be provided and paid for by the Owner.
- Project bid tax exempt, owner to provide ValleyCrest with tax exempt certificate.
- Due to fluctuating and increases costs being experienced in the Construction Industry, this proposal's prices are good for 60 days.

THE TRAIL FOUNDATION  
Longhorn Shores Irrigation

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Proposal Amount:

Base Bid:	
Irrigation	\$25,800.00
Project Total:	\$25,800.00

Alternates:	
One year maintenance	ADD \$3,700.00
Two year maintenance	ADD \$7,400.00

Upon review of this document, please do not hesitate to contact me for any additional information or clarification you require.

Sincerely,

Ben Deceuster  
Business Developer

An authorized signature in the space provided below will convert this proposal into a letter of intent to award a contract to perform the above services. A formal contract is to be prepared as a follow-up to this letter.  
Accepted and Approved

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## The Trail Foundation - Arbor Day Planting Tree Bubbler System

Austin, Texas

Mr. Daryl Benkendorfer

September 10, 2010

Addenda Received:	2 Acknowledged	
Plan Sheets	Plan Date	Architect
Per Ariel Draft #1 and #2	9/3/2010	TTF

### Irrigation

Item	Size / Unit	Quantity	Unit Price	Price
Tree Bubbler (1 per Tree) Rainbird RWS	Ea.	210	\$45.00	\$9,450.00
1.5" Rainbird PEB Valve	Ea.	8	\$55.00	\$440.00
Hunter ICC Pedestal Mount Controller	Ea.	2	\$1,050.00	\$2,100.00
Rain / Freeze Sensor	Ea.	2	\$150.00	\$300.00
2" Class 200 PVC Mainline	LF	5,152	\$2.50	\$12,880.00
2" Febco DCA and Wye Strainer	Ea.	2	\$565.00	\$1,130.00
2" Rainbird PEB Master Valve	Ea.	2	\$125.00	\$250.00
14G Field Wire	LF	56672	\$0.12	\$6,800.64

**Subtotal: \$33,350.64**

### Sleeve / Sidewalk Bores

Item	Size / Unit	Quantity	Unit Price	Price
4" Sch 40 PVC Sleeve	LF	206	\$16.00	\$3,090.00

**Subtotal: \$3,090.00**

### Irrigation Maintenance

Item	Size / Unit	Quantity	Unit Price	Price
Monthly Irrigation Maintenance	Month	24	\$350.00	\$8,400.00

**Subtotal: \$8,400.00**



**Bid Recap:**

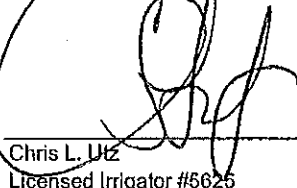
Irrigation	\$33,350.64
Sleeve	\$3,090.00
Suggested Alternate - Topsoil for Turf	\$8,400.00

<b>Total</b>	<b>\$44,840.64</b>
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**Bid Notes:**

1. Includes all Applicable Taxes
2. Excludes Water Meters (and cost of water), Electric Meter, Irrigation and Electrical Sleeving, and Road Bores if necessary
3. Excludes Bond, if applicable add 3%
4. Excludes Surveying
5. Irrigation bid Design/Build per COA Requirements
6. Proposal valid for (30) thirty days.
7. Limited Warranty - No replacements will be authorized or made without an inspection by one of Utz Environmental Services staff. Warranty is limited to replacement only, not refund. All warranties will become null and void if any of the following is determined: failure to water properly, drought, freezing insect damage, abuse or mandated water restrictions imposed by local governments. It is the customers responsibility to maintain property if a maintenance contract is not agreed upon.

Respectfully Submitted,

  
Chris L. Utz  
Licensed Irrigator #5625



### Landscape Construction

Project Name: Longhorn Shores Tree Irrigation

Client:

Landscape Architect:

Date: 09/10/10

George Lindenberg

Principal

Clean Scapes, LP

512-206-6171

george@cleanscapes.net

Irrigation				
Quantity	Units	Description	Unit Price	Line Total
1	LS	Installation of base irrigation system (see notes below for details)	\$ 22,510.97	\$ 22,510.97
12	Monthly	Monthly irrigation walkthroughs and system adjustments (see notes below)	\$ 175.00	\$ 2,100.00

#### Softscape and Irrigation Notes:

Irrigation system includes Rain Bird 50 station 2-wire controller with ET, 2" mainline, backflow preventer, 12 valves, lateral lines, 118 tree bubblers

Irrigation maintenance includes (1) walkthrough monthly, system adjustment during that walkthrough, and a report with repair estimates should any be necessary.

Irrigation maintenance does not include repairs.

Irrigation meter to be provided and installed by others

Irrigation electrical to be provided and installed by others to point of controller

#### General Notes:

Project is priced tax exempt

### **Personnel Qualifications**

#### **Susan Rankin, Executive Director, The Trail Foundation**

Susan has been the Executive Director of The Trail Foundation for more than three years. During this time she has overseen both professional and volunteer driven projects on the Trail. Her expertise includes: volunteer and project management, knowledge of appropriate botanical species for project and requirements for the maintenance and long-term success of the project. Her primary role in this project will be to obtain estimates for the 200 trees, purchase them and coordinate delivery of trees for installation. She will also be responsible for recruiting 100 volunteers to plant and mulch around the trees. Susan will contribute an estimated 10% of the projects total workload.

#### **Keith O'Herrin, Forester, Urban Forestry Program-Austin Parks and Recreation Department**

Keith has a B.S. in Urban Forestry from the University of Wisconsin – Stevens Point and has been with the City of Austin's Urban Forestry Program since April 2010. Previously, he worked as a City Forester in La Porte, IN and has experience working with multiple city departments to facilitate the success of several urban forestry projects. Keith will be responsible for finalizing the assortment of trees to be planted, mapping the location of each tree to be planted, preparing the sites for planting and overseeing the project installation. He will contribute approximately 10% of the projects total workload.

#### **Daryl Benkendorfer, RLA, ASLA; President, Land Design Partners**

Mr. Benkendorfer has been practicing landscape architecture since 1982. During the course of his 27-year career, he has been fortunate to have been involved in numerous, high-profile projects that have garnered numerous awards and recognition. More importantly, he prides himself on his ability to develop lasting relationships with his clients. He fosters these relationships by using a simple formula - produce a high quality product and keep your promises. To this end, many of his clients have utilized the services of Land Design Partners for many years. His role will primarily be advisory; to oversee the project and lend his advise and expertise where needed. Mr. Benkendorfer will contribute approximately 10% of the projects total workload.

#### **Irrigation System Contractor-TBD**

This information will be available after selection has been made based on cost estimates and input from Susan Rankin, Keith O'Herrin and Daryl Benkendorfer. The contractor will be responsible for approximately 70% of the projects total workload.

**Contact Information**

For questions regarding this proposal, please contact:

Jenny McMillan  
Development Director  
The Trail Foundation  
PO Box 5195  
Austin, TX 78763

512-791-7572  
ttfdevelopment@gmail.com